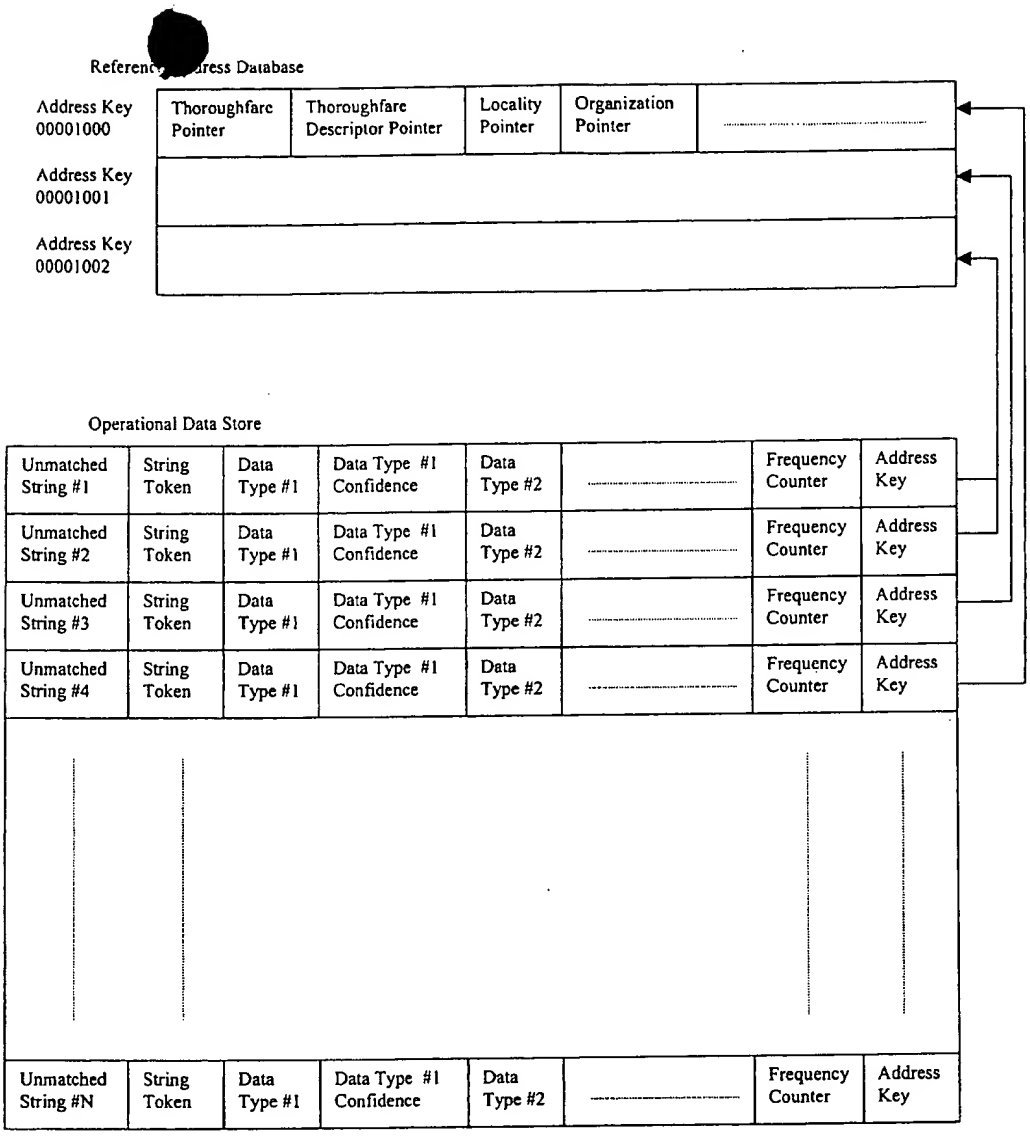
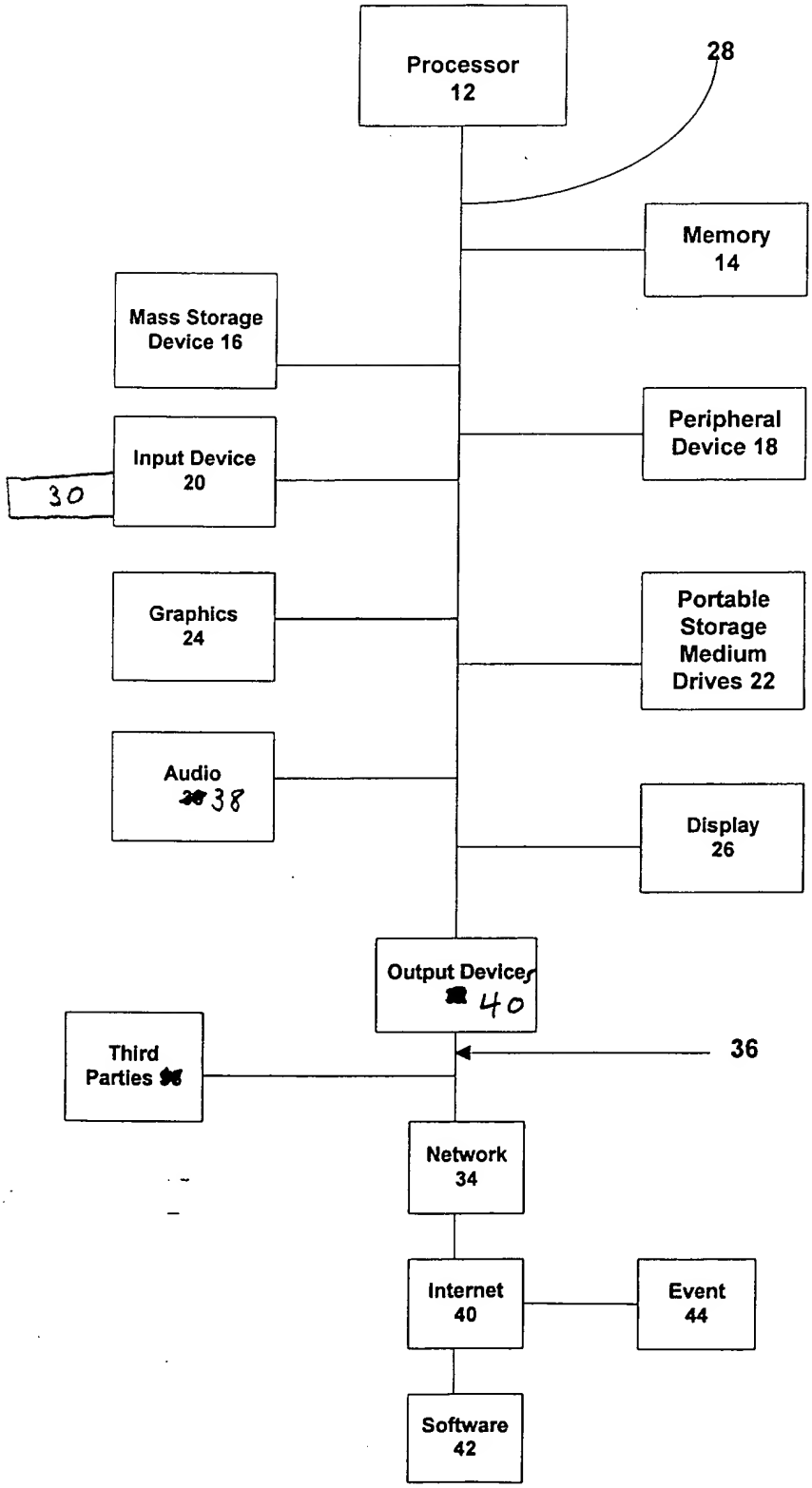

Reference Address Database
Address Key 00001000
Thoroughfare Pointer
Thoroughfare Descriptor Pointer
Locality Pointer
Organization Pointer
Address Key 00001001
Address Key 00001002
Operational Data Store
Unmatched String #1
String Token
Data Type #1
Data Type #1 Confidence
Data Type #2
Frequency Counter
Address Key
Unmatched String #2
Unmatched String #3
Unmatched String #4
Unmatched String #N

Figure 7

FIG. 1


Processor
12
28
Memory
14
Mass Storage
Device 16
Peripheral
Device 18
Input Device
20
30
Graphics
24
Portable
Storage
Medium
Drives 22
Audio
38
Display
26
Output Device
40
Third
Parties
36
Network
34
Internet
40
Event
44
Software
42

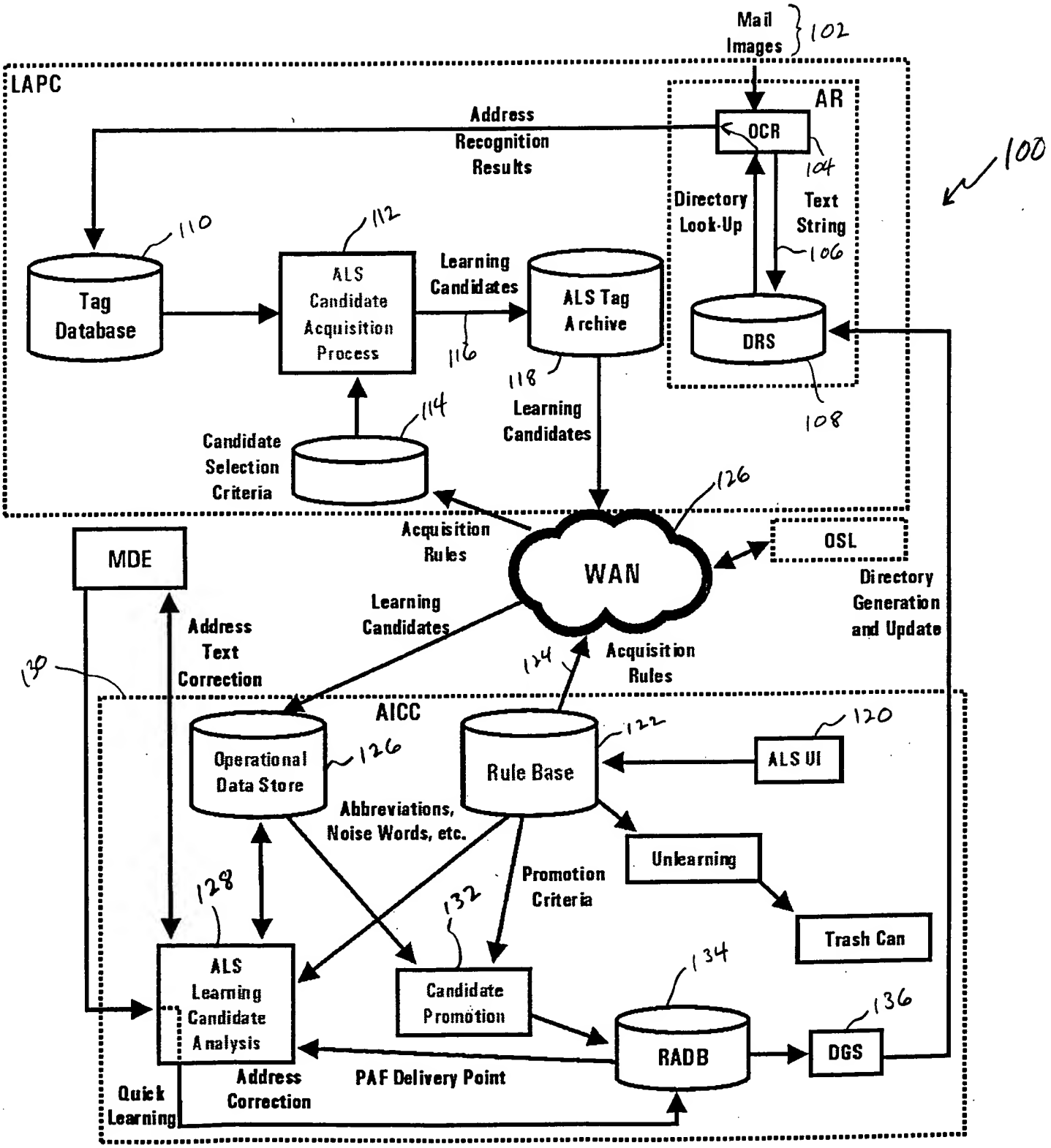

Mail Images
102
LAPC
AR
OCR
104
Address Recognition Results
100
Directory Look-Up
Text String
106
110
112
Tag Database
ALS Candidate Acquisition Process
Learning Candidates
ALS Tag Archive
DRS
116
118
108
114
Candidate Selection Criteria
Learning Candidates
126
Acquisition Rules
WAN
OSL
MDE
Directory Generation and Update
Learning Candidates
Address Text Correction
130
124
Acquisition Rules
AICC
Operational Data Store
126
Rule Base
122
ALS UI
120
Abbreviations, Noise Words, etc.
Unlearning
Promotion Criteria
128
132
Trash Can
ALS Learning Candidate Analysis
Candidate Promotion
134
RADB
136
DGS
Address Correction
PAF Delivery Point
Quick Learning

Figure 2.

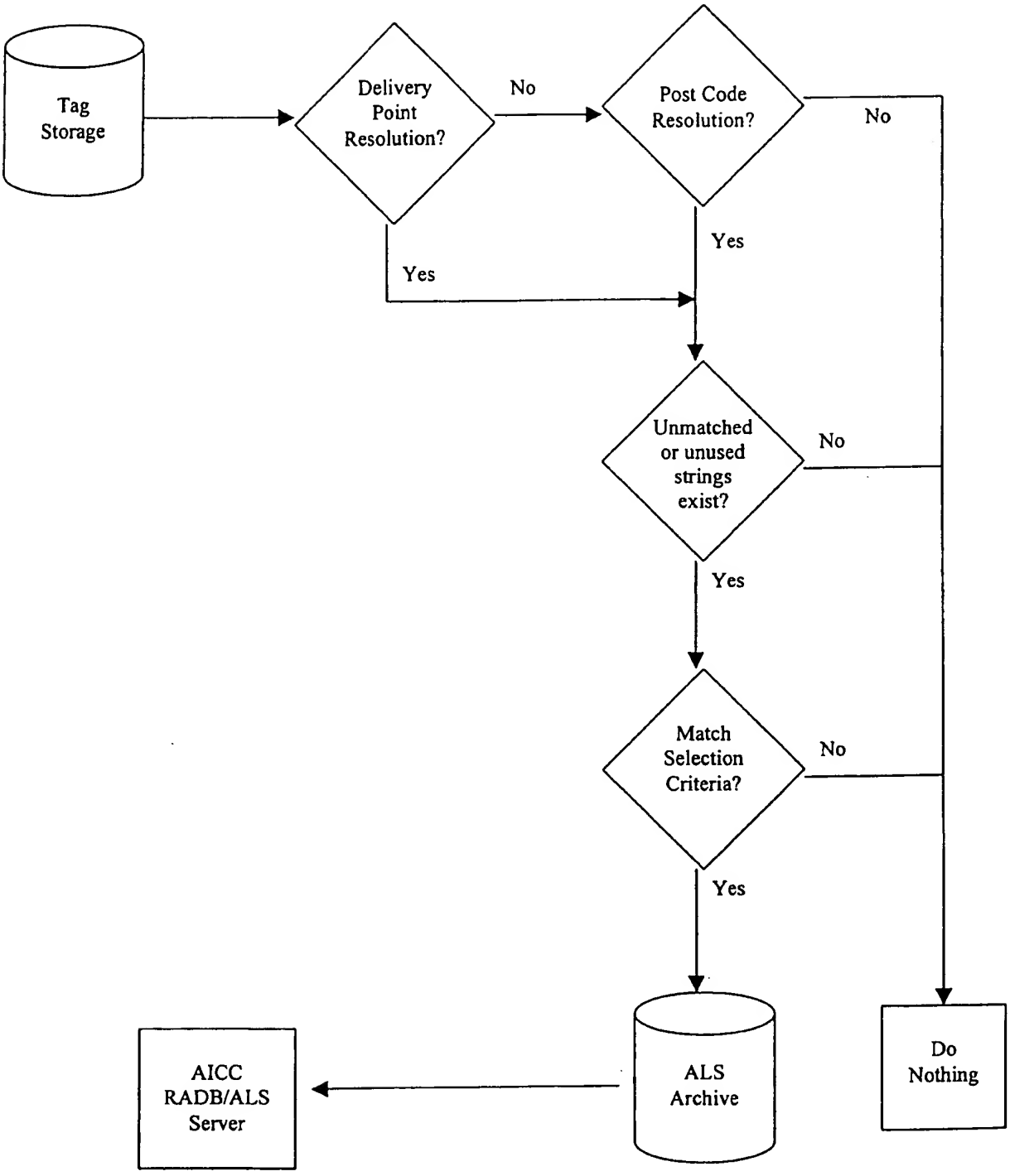

Tag Storage
Delivery Point Resolution?
No
Post Code Resolution?
No
Yes
Yes
Unmatched or unused strings exist?
No
Yes
Match Selection Criteria?
No
Yes
AICC RADB/ALS Server
ALS Archive
Do Nothing

Figure 3.

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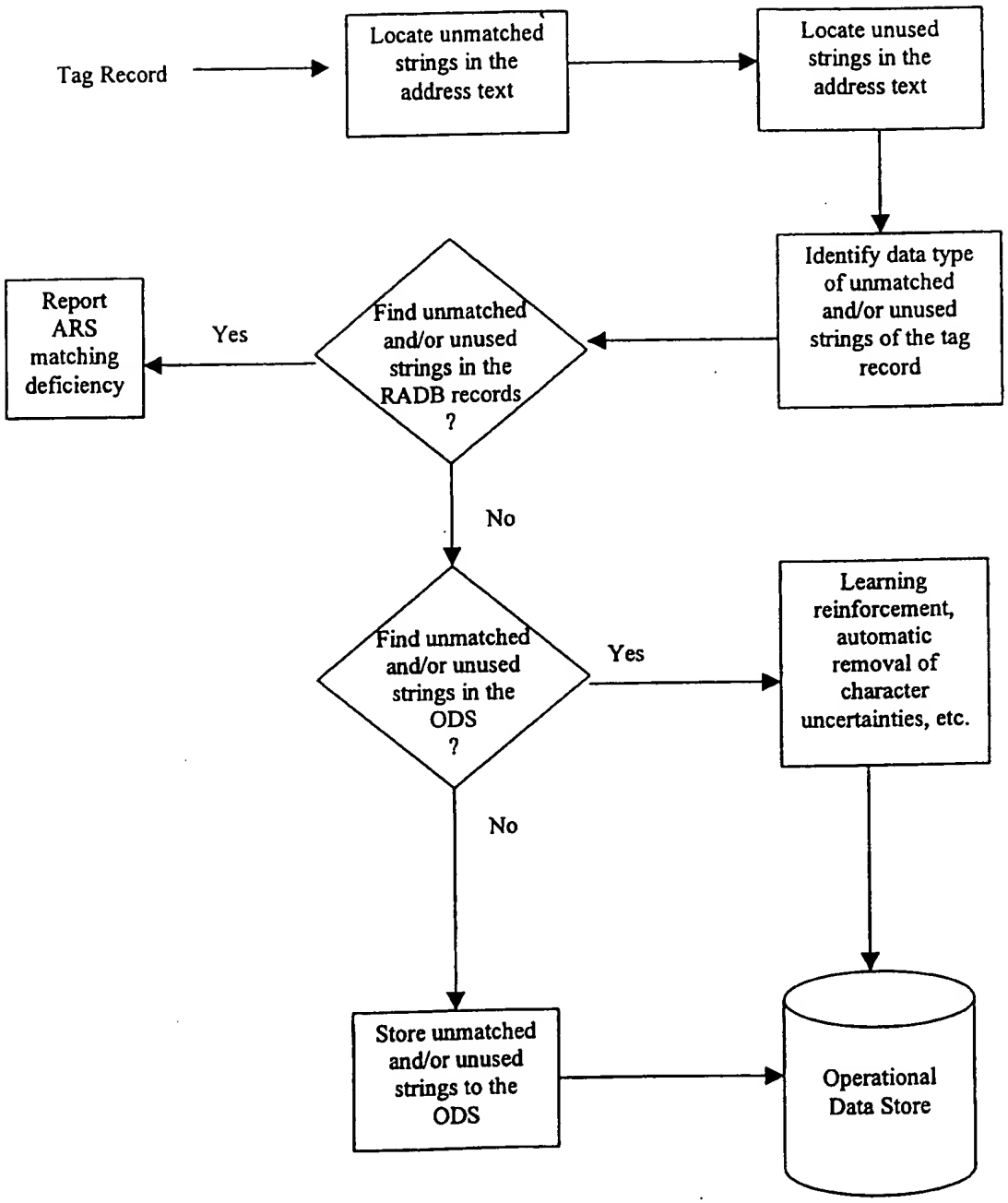

Figure 4.

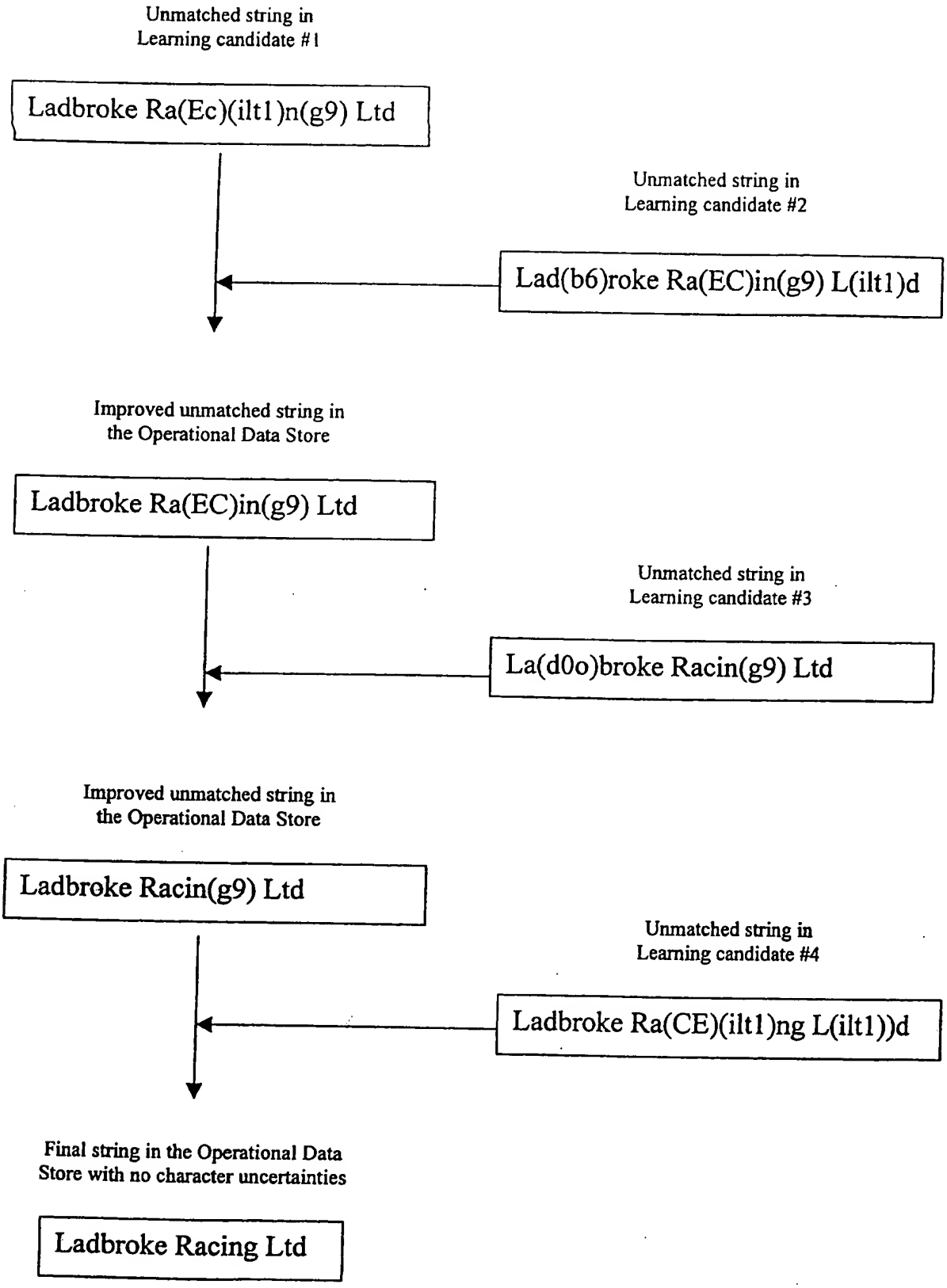
Unmatched string in
Learning candidate #1
Ladbroke Ra(Ec)(ilt1)n(g9) Ltd
Unmatched string in
Learning candidate #2
Lad(b6)roke Ra(EC)in(g9) L(ilt1)d
Improved unmatched string in
the Operational Data Store
Ladbroke Ra(EC)in(g9) Ltd
Unmatched string in
Learning candidate #3
La(d0o)broke Racin(g9) Ltd
Improved unmatched string in
the Operational Data Store
Ladbroke Racin(g9) Ltd
Unmatched string in
Learning candidate #4
Ladbroke Ra(CE)(ilt1)ng L(ilt1))d
Final string in the Operational Data
Store with no character uncertainties
Ladbroke Racing Ltd

FIG. 5

RADB BASE DESIGN

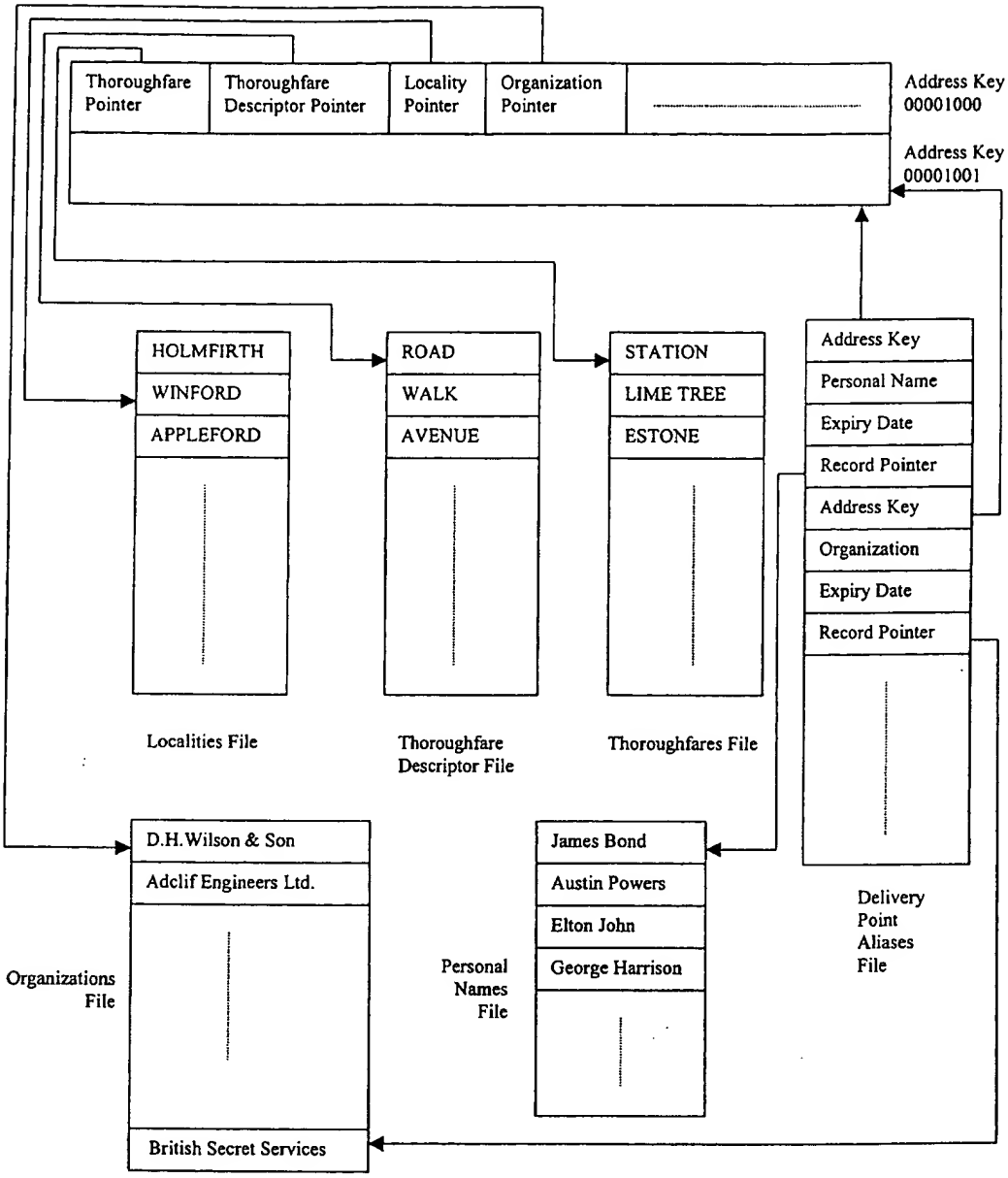

Figure 6

EP 0 845 738 A2